

ABSTRACT OF THE DISCLOSURE

An integrated process for the production of a dialkyl carbonate and a diol from an alkylene oxide, carbon dioxide and an aliphatic monohydric alcohol is described in which an alkylene oxide is first reacted with carbon dioxide in the presence of a homogeneous carbonation catalyst to provide a corresponding cyclic carbonate and the cyclic carbonate is then reacted with an aliphatic monohydric alcohol in the presence of the homogeneous carbonation catalyst and/or a heterogeneous transesterification catalyst and recycling the homogeneous carbonation catalyst to provide a corresponding dialkyl carbonate and diol.

OCTOBER 22, 2002